

AD-A166 192 UNDERWATER FACILITIES INSPECTIONS AND ASSESSMENTS AT  
NAVAL AIR STATION NO. (U) NAVAL FACILITIES ENGINEERING  
COMMAND WASHINGTON DC CHESAPEAKE.. SEP 80  
UNCLASSIFIED CHES/NAVFAF-FPO-1-81(3) F/G 13/2

UNDERWATER FACILITIES INSPECTIONS AND ASSESSMENTS AT  
NAVAL AIR STATION NO. (U) NAVAL FACILITIES ENGINEERING  
COMMAND WASHINGTON DC CHESAPEAKE. SEP 80  
CHES/NAVFAF-FPO-1-81(3) F/G 13/2

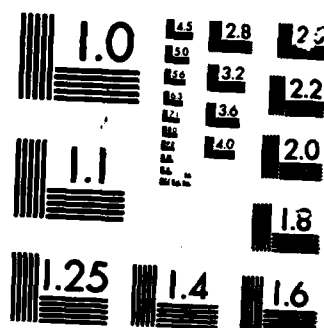
1/1

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**F/G 13/2**

NL

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MICROCOPY RESOLUTION TEST CHART

PHOTOGRAPH THIS SHEET

1

AD-A166 192

DTIC ACCESSION NUMBER

LEVEL

UNDERWATER FACILITIES  
INSPECTIONS &  
ASSESSMENTS

INVENTORY

NAVAL AIR STATION, NORTH ISLAND  
NAVAL SUPPLY CENTER, SAN DIEGO, CA

FPO-1-81 (3)

DOCUMENT IDENTIFICATION

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# UNDERWATER FACILITIES INSPECTIONS & ASSESSMENTS

AD-A166 192

NAVAL AIR STATION

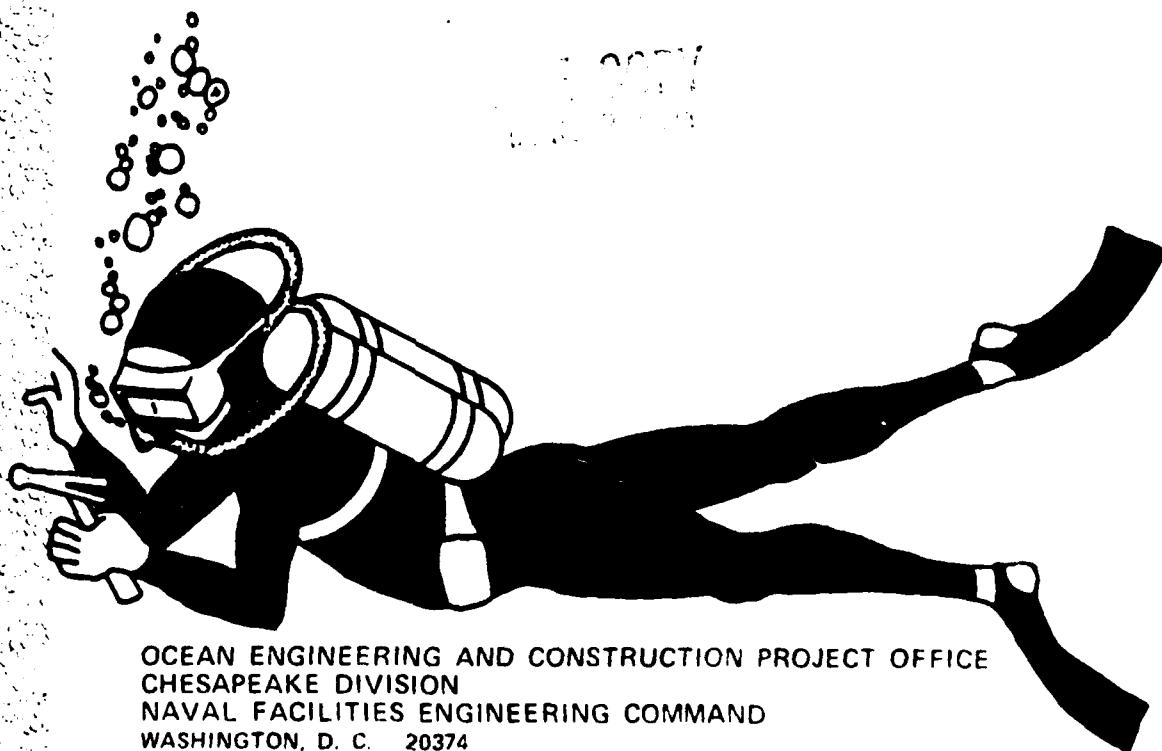
NORTH ISLAND

NAVAL SUPPLY CENTER

SAN DIEGO, CA

FPO-1-81(3)

SEPT 1980



OCEAN ENGINEERING AND CONSTRUCTION PROJECT OFFICE  
CHESAPEAKE DIVISION  
NAVAL FACILITIES ENGINEERING COMMAND  
WASHINGTON, D. C. 20374

**UNDERWATER FACILITIES  
INSPECTIONS  
AND  
ASSESSMENTS  
AT**

**NAVAL AIR STATION  
NORTH ISLAND  
NAVAL SUPPLY CENTER  
SAN DIEGO, CA**

**FPO-1-81(3)**

**SEPT 1980**

**PERFORMED FOR:**

**OCEAN ENGINEERING AND CONSTRUCTION PROJECT OFFICE  
CHESAPEAKE DIVISION  
NAVAL FACILITIES ENGINEERING COMMAND  
WASHINGTON, D.C. 20374**

**INSPECTION PERFORMED  
AND REPORT PREPARED BY:**

**UNDERWATER CONSTRUCTION TEAM TWO  
PORT HUENEME, CA**

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**SECURITY CLASSIFICATION OF THIS PAGE**

**REPORT DOCUMENTATION PAGE**

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FPO-1-81(3)

6a. NAME OF PERFORM. ORG. 6b. OFFICE SYM

Underwater Construction  
Team Two

7a. NAME OF MONITORING ORGANIZATION

Ocean Engineering  
& Construction  
Project Office  
CHESNAVFACENGCOM

6c. ADDRESS (City, State, and Zip Code)

Port Hueneme, CA

7b. ADDRESS (City, State, and Zip )

BLDG. 212, Washington Navy Yard  
Washington, D.C. 20374-2121

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PROGRAM	PROJECT	TASK	WORK UNIT
ELEMENT #	#	#	ACCESS #

11. TITLE (Including Security Classification)

Underwater Facilities Inspection & Assessment at Naval Air Station North Island  
Naval Supply Center San Diego, CA

12. PERSONAL AUTHOR(S)

13a. TYPE OF REPORT

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TO

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17. COSATI CODES

FIELD	GROUP	SUB-GROUP
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Jacqueline B. Riley

DD FORM 1473, 84MAR

22b. TELEPHONE

202-433-3881

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SECURITY CLASSIFICATION OF THIS PAGE

INSPECTION SUMMARY FOR QUAY WALL AND J-K PIER NAS NORTH ISLAND

A. Lima Quay Wall Inspection Summary:

The quay wall is constructed of concrete sheet piles, and consists of 3400 lineal feet in addition to the east end. The inspection was referenced to NAVFAC drawing #1343552. The quay wall is in good condition.

Heavy marine growth approximately three inches thick was evident from the mud line to the low water mark throughout the length of the wall. (Marine growth consisted primarily of barnacles, mussels and scallops.) Fill material was washing out behind the wall in several noted locations.

B. J-K Pier:

Half of the piles on J-K pier were spot inspected (at least four places on each) for a total of 300 piles. Spot inspection was required due to heavy marine growth on the piles. Of the 300 piles inspected 168 have sustained minor to moderate damage. The pier is still considered serviceable but requires major work soon to remain serviceable.

The minor damage consisted of small cracks and the moderate damage from cracks 1/2 to 3/4 inch deep and up to 20 feet long. Upon cleaning the piles bankia and toredos were often present. Age and marine growth have caused spalling and generally softened the concrete. A more thorough inspection would require extensive cleaning.

Under the pier, above the waterline were several areas with exposed rebar. Improper preparation of the area to be repaired is a probable cause of the extensive spalling of these gunite repairs. NAVFAC drawing numbers 6003915 and 6003918 germane. Photos showing some of the damage are attached as enclosure (3).

Enclosure (1)

DEPT OF THE NAVY NAV FAC ENG COM  
PUBLIC WORKS CENTER  
SAN DIEGO CALIFORNIA

NAVAL AIR STATION, NO. ISLAND, S.D.  
REPAIR FENDER SYSTEM PIER J-K

PWC SKETCH NO.

KEY PLAN

PREPARED BY TRAVIS, VERDUGO & ASSOC

EIC

BR. HD.

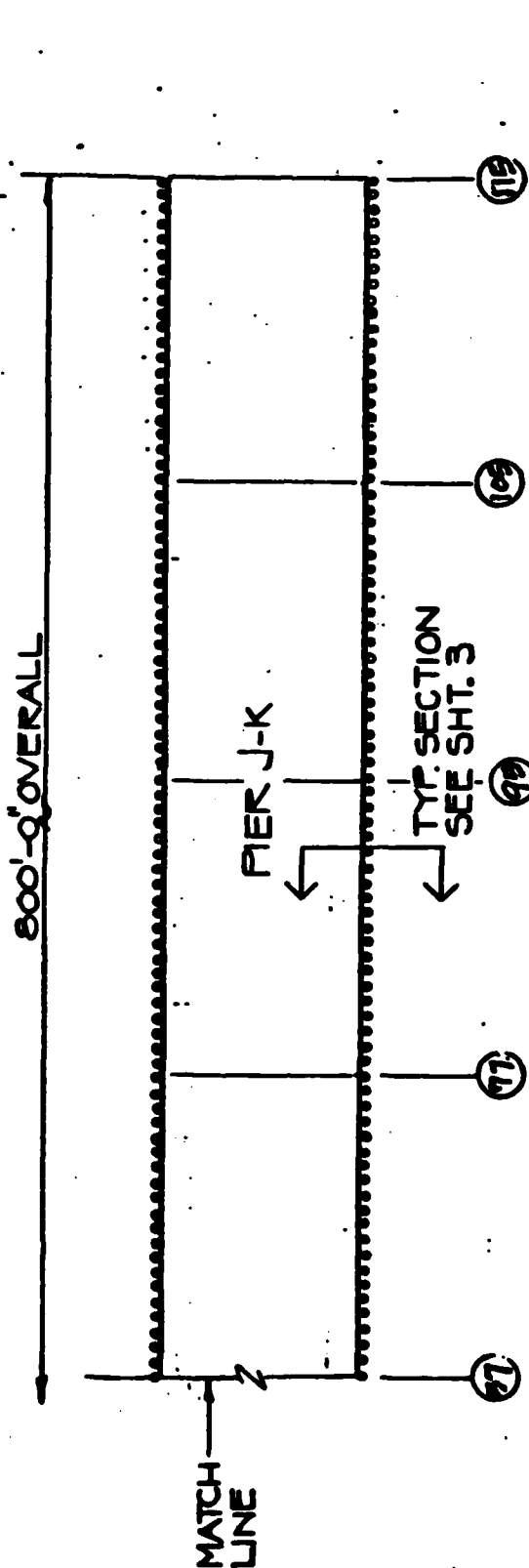
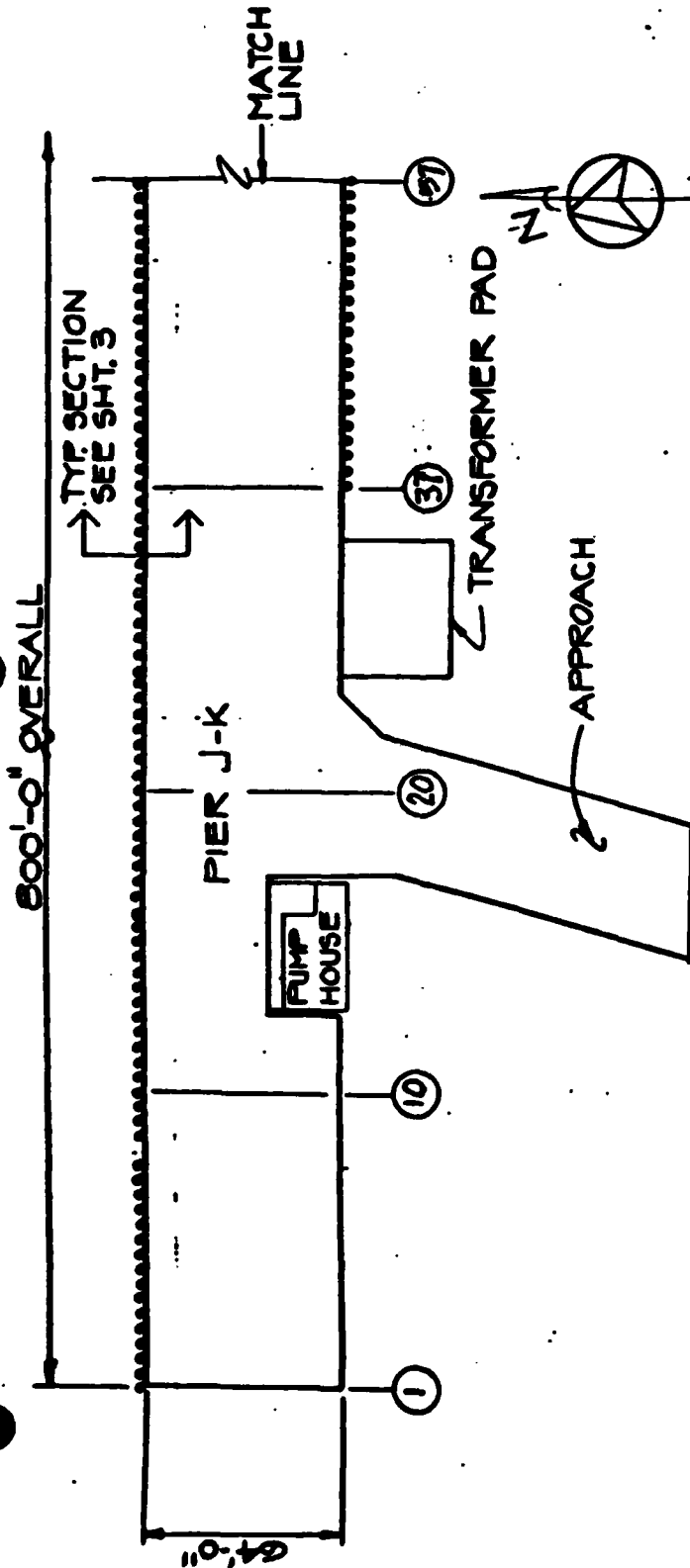
DIV. DIR.

DATE 15 APRIL 1980

J.B. BRUCE

J.B. BRUCE

G. ALLISON



GRAPHIC SCALE  
0 30 60  
1"=60'

FENDER PILE PLAN



# PIER J-K, NAS NORTH ISLAND

WEST END

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
A	.	.	.	.	.	.	.	.	.	.	.	X	.	.	X	.	.	.	X	.	X	X	X	X	X	X	X	.
B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X	.	.	.	.	.
C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X	.	X	.	.	.
D	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X	.	X	.	.	.
E	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.	X	.	X	.	X	.	.	.
F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.
G	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
A	.	.	.	.	.	.	X	.	.	.	.	.	.	.	X	.	.	.	.	.	X	.	X	.	X	.	X	.
B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.	X	.	X	.	X	.	X	.
C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X	.	X	.	X	.
D	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X	.	X	.	X	.
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G	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X	.	X	.	X	.

FROM DIVER REPORTS  
LOCATION 1B, 2B, 3B, 4B,  
NOT KNOWN

	1B	2B	3B	4B
X	.	.	.	.
.	.	.	.	.
X	.	.	.	.
.	.	.	.	.

	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
D	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
E	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
F	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
G	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

EAST END

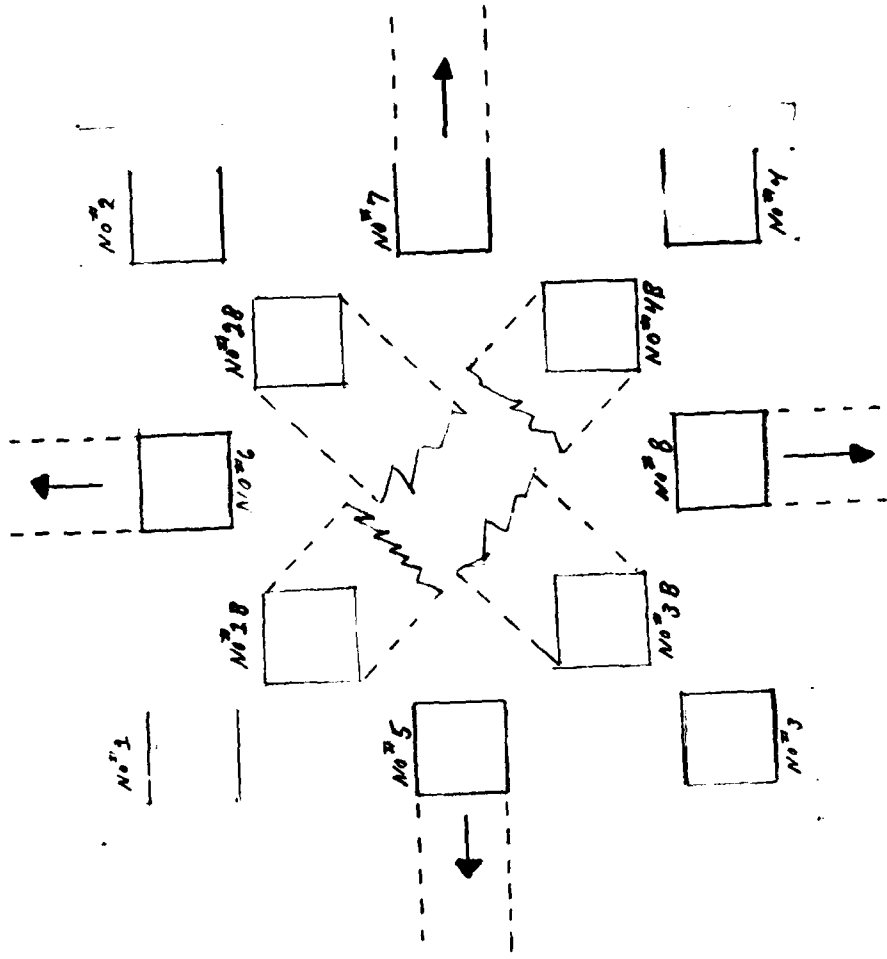
SKETCH - NOT TO SCALE - FROM DIVER REPORTS

• = FILE INSPECTED - NO DAMAGE

X = DAMAGE NOTED

JSK

PIER



No. 1, 2, 3, 4 are Bearing Pile  
No. 5, 6, 7, 8 are Batter to the inside  
No. 9, 10, 11, 12 are Batter to the outside

Pier J-K

ACTIVITY NAS No. Island YR BUILT 1945  
LOCATION San Diego LENGTH 800 FT  
STRUCTURE NO. 1310 WIDTH 64 FT  
NAME Pier J-K ELEVATION +10.0' MLLW  
CATEGORY CODE 15120 MAP GRID 1D  
PROP. RECORD NO. 2-01368 REPLACEMENT COST 14,552,000  
ACQSTY COST 2,102,343 DRAWING NO. \_\_\_\_\_

### PIER CHARACTERISTIC

ALLOW. DREDGE DEPTH -30' MLLW  
TYPE OF SHIPS TO BE MOORED K side of Pier 500' max length w/25' draft.  
I side of Pier Carriers CVA  
ALLOW. VERTICAL LOADS 15 TON CRANE AT SPECIFIC POINTS OF  
LOADING.  
ALLOW. HORIZONTAL LOADS \_\_\_\_\_  
TYPE OF PIER \_\_\_\_\_  
CONCRETE CONST. W/ 281 CONC. BEARING EA BATTER  
TYPE 10 FT O.C. TYPE \_\_\_\_\_

TYPE OF FENDER SYSTEM \_\_\_\_\_  
- 14 " DIA. TIMBER PILE 5 FT. O.C. WITH 10" x 12  
TIMBER WALE, 6 " x 12 " CHOCKS. " DIA. RUBBER FENDERS  
TYPE NO. 1 TYPE \_\_\_\_\_  
WITH 10" x 12" TIMBER FENDERS. CHOCKS ARE SEPARATED FROM WALES  
WITH 4x12 BLOCKS 1'-0" LONG 2 PIECES PER CHOCK AND WALES ARE  
SEPARATED FROM FENDERS WITH 4x12 BLOCKS 1'-0" LONG. 2 PIECES PER  
10'-0" LENGTH (BETWEEN EA BENT ALIGNING WITH ROUND TIMBER FENDER  
PILE. HORIZONTAL FRAMING IS TYPICAL OF TOP FRAMING AT ELEV  
+10'-0" AND OF BOT FRAMING AT ELEV +5'-0".

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REPAIR FENDER SYSTEM PIER I-K

SITE PLAN

PREPARED BY: TRAVIS, VERDUGO & ASSOC

SR. MD.

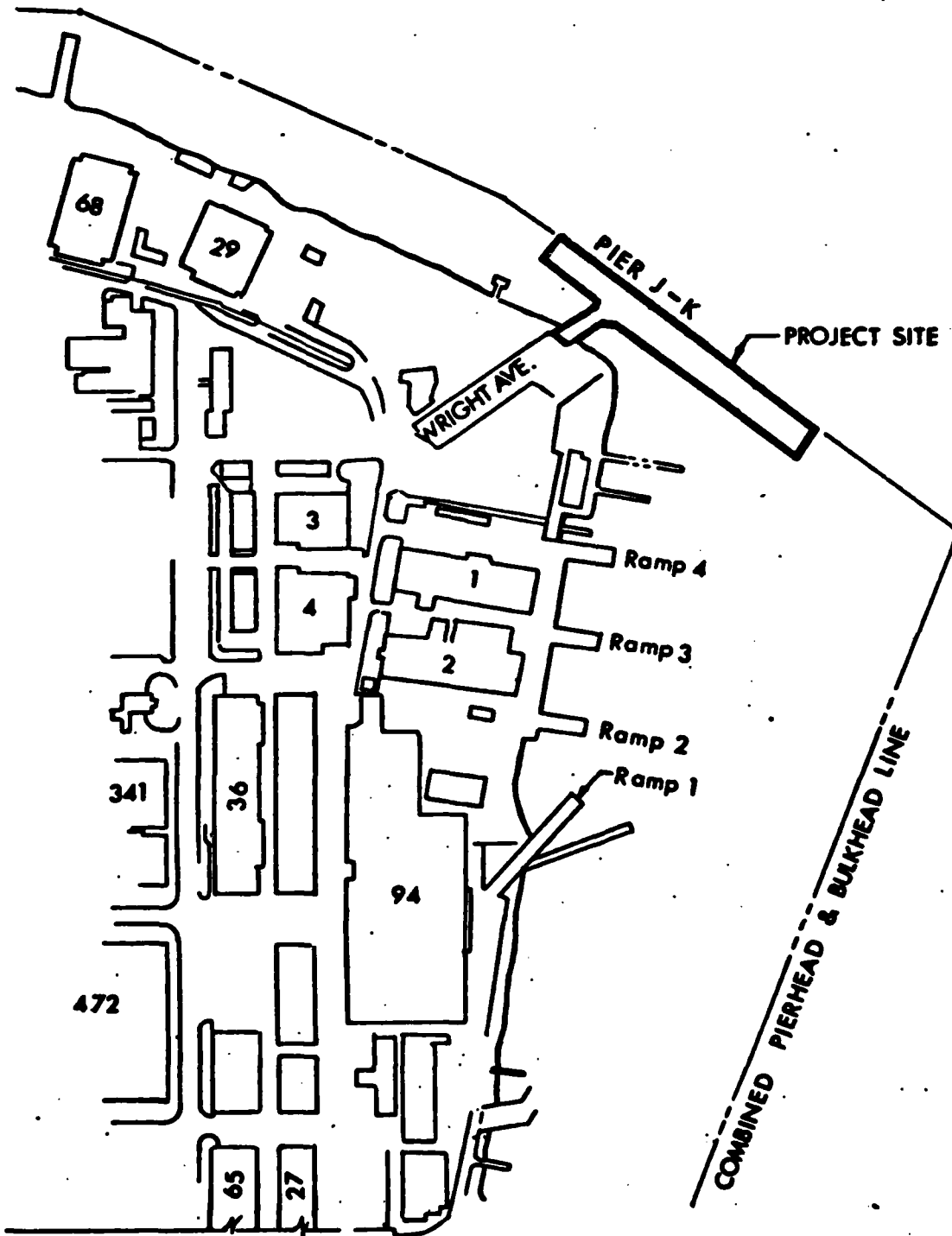
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DATE 15 APRIL 1980

J.B. BRUCE

J.B. BRUCE

G. ALLISON

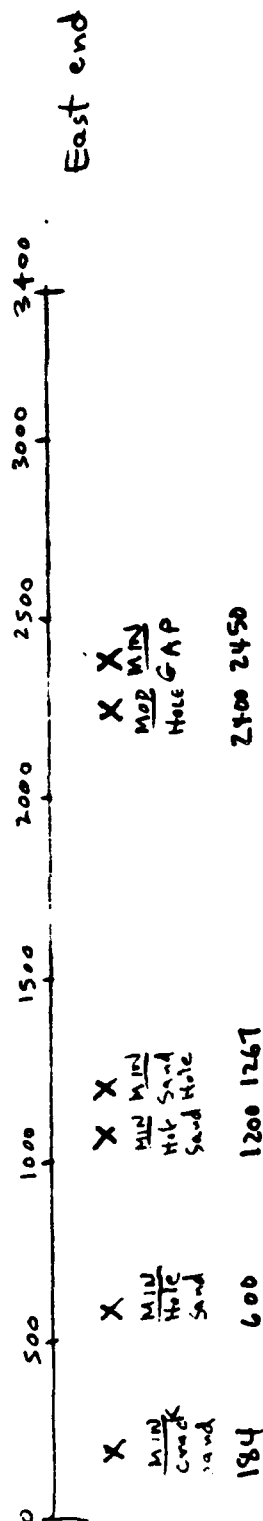


SITE PLAN

SHEET 2 OF 2

San Diego  
 LIMA QUAY WALL - NAS North Island.  
 Armstrong & Johnson.  
 16 Sept 1980  
 1400

CONCRETE SHEET PILES 3400 lineal feet. NAVFAC Drawing 1343552-





DEPARTMENT OF THE NAVY  
UNDERWATER CONSTRUCTION TEAM TWO  
NAVAL CONSTRUCTION BATTALION CENTER  
PORT HUENEME, CALIFORNIA 93043

UCT2:PMP:vm  
5000  
02 December 1980

From: Officer in Charge, Underwater Construction Team TWO  
To: Distribution

Subj: Pier and Quay Wall Inspection

Ref: (a) UCT TWO OpOrd 6-80 of 27 AUG 80

Encl: (1) Inspection Summary and Inspection Data Sheets for Lima Quay Wall  
and J-K Pier, NAS North Island  
(2) Inspection Summary and Inspection Data Sheets for Pt Loma POL Pier  
and Quay Wall  
(3) Slides of noted damage on J-K Pier NAS North Island

1. From 15 September 80 through 27 September 80, UCT TWO Det San Diego conducted pier and quay wall inspections at North Island and the Supply Center.

2. Enclosure (1) through (3) are forwarded as the final report in accordance with reference (a).

T. H. CHRISTENSEN

Distribution:

CHESNAVFACENGCOM (FPO-1)  
CO, NASNI (STAFFCIVENG) w/encls 1 and 3)  
CO, NSC SAN DIEGO (FUEL DEPT) (w/encl 2)  
COMCBPAC (w/o encls)  
COM31STNCR (w/o encls)

## INTRODUCTION

The underwater inspections reported herein were performed by Underwater Construction Team Two (UCT-2) at the request of and with funding from the Underwater Inspection Program managed by Naval Facilities Engineering Command, Chesapeake Division, Code FPO-1. This program is part of the Specialized Inspection Program initiated in FY 80 and directed by the Naval Facilities Engineering Command, (NAVFACENGCOM), Code 100 office. This centrally funded program establishes within NAVFACENGCOM the capability for coordinating all Navy efforts to inspect and assess the underwater condition of the Navy's major waterfront facilities.

The UCT-2 inspections were planned by FPO-1 as part of the Underwater Inspection Program. However, FPO-1 manpower limitations prevented the desired monitoring and integration of these inspections into the program, thus the inspection data was not recorded and reported in the manner established for the program. The underwater inspection report included herein is as received from UCT-2 with the following items added by FPO-1 from other sources:

- Cover sheet
- Introduction
- Sketch of Lima quay wall
- Sketch of J-K pier site
- J-K Pier Data Sheet
- Sketch of Crane Platform J-K
- Sketch of piles inspected at J-K
- Sketch of J-K pier
- Location map, fuel pier
- Sketch of fuel pier
- Sketch of piles inspected

LOCATION: NAS NORTH ISLAND CA

DATE: 17 SEPT. 80

DIVERS: JOHNSON & DUNE

PIER NAME/NO. J.R. PULP

PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1220

TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	NI	FILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
3	A		X								27'				4" MARINE GROWTH IF. (MUSSELS, BARNACLES & SCALLOPS.)
3	B		X								27'				" " "
3	C		X								27'				" " "
3	D		X								24'				" " "
3	E		X								27'				" " "
3	F		X								27'				" " "
3	G		X								27'				" " "
4	A		X								25'				" " "
4	B		X								25'				" " "
4	C		X								20'				" " "
4	D		X								20'				" " "
4	E		X								20'				" " "
4	F		X								20'				" " "
4	G		X								20'				4" MARINE GROWTH IF. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL



LOCATION: WAS NORTH ISLAND CA DATE: 17 SEPT. 80 DIVERS: JOHNSTON & DUNN

PIER NAME/NO. JK PILE PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1150 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	PILE DAMAGE			TYPE DAMAGE			GAUGE			DIMENSIONS OF DAMAGE			COMMENTS
		NI	NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC	HGT	WIDTH	PENETR	
1	A		X								25'			4" MARINE GROWTH IF (MUSSELS, BARNACLES & SCALLOPS.)
1	B		X								25'			" "
1	C		X								25'			" "
1	D		X								25'			" "
1	L		X								23'			" "
1	F		X								20'			" ""
1	G		X								18'			" "
2	A		X								27'			" "
2	B		X								27'			" "
2	C		X								27'			" "
2	D		X								27'			" "
2	L		X								27'			" "
2	F		X								27'			" "
2	G		X								27'			4" MARINE GROWTH IF (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL



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 CONSTRUCTION TEAM TWO  
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 PORT HUENEME CALIFORNIA 93043

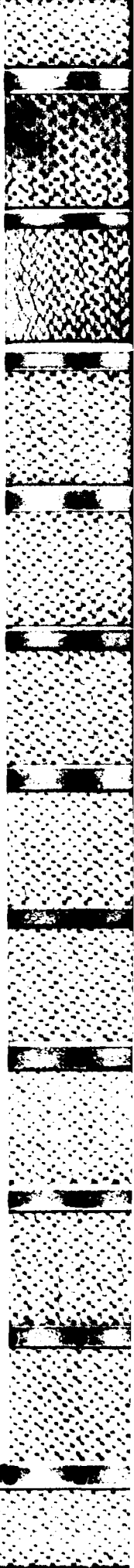
LOCATION: SA, LILCO CA DATE: 16 SEPT. 80 DIVERS: ARMSTRONG & JOHNSON

PIER NAME/NO. LIMA (CLAYWALL) PILE TYPE: ☐ BEARING ☐ FENDER ☒ SHEET  
 PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1400 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	NI	FILE DAMAGE				TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO		FUNC	HGT	WIDTH	
2400'			X											3" MARINE GROWTH. EAST END OF QUAYWALL.
2450'				X						35'	25'	16"	6"	CAP BETWEEN PILES. 16" WIDE ON THE BOTTOM TAPERED TO 4" ON THE SURFACE.
2400'					X					30'	5'	4"	6"	BOLF WITH SAND COMING OUT 2' MOUND OF SAND ON THE BOTTOM.
1267'				X						35'		2 1/2"	5"	SAND FILTERING OUT OF CRACK
1200'				X						35'				SAND FILTERING OUT ALONG THE BOTTOM
600'										35'				CONTINUES SIGNS OF SAND LEAKING ALONG THE BOTTOM
164'				X						35'	15'	4"	12"	CRACK STARTING AT THE BOTTOM RISING TO A DEPTH OF 20'. A SMALL AMOUNT OF SAND LEAKING.
0'				X										END OF INSPECTION

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL



[illegible]

↓

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38

ש ו א י ה

NEW SECTION

Concrete pile

NOT TO SCALE  
DOTS INDICATE PILES INSPECTED  
X's and X INDICATE DAMAGE NOTED

39 40 41 42 43 44 45 46 47 48 49 50

A B C D E F

DIVER LOGS INDICATE 268 of 360 PILES INSPECTED

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NSC, PT. LOMA ANNEX SAN DIEGO, CALIF.  
RECOAT FUEL LINES (MI-79)

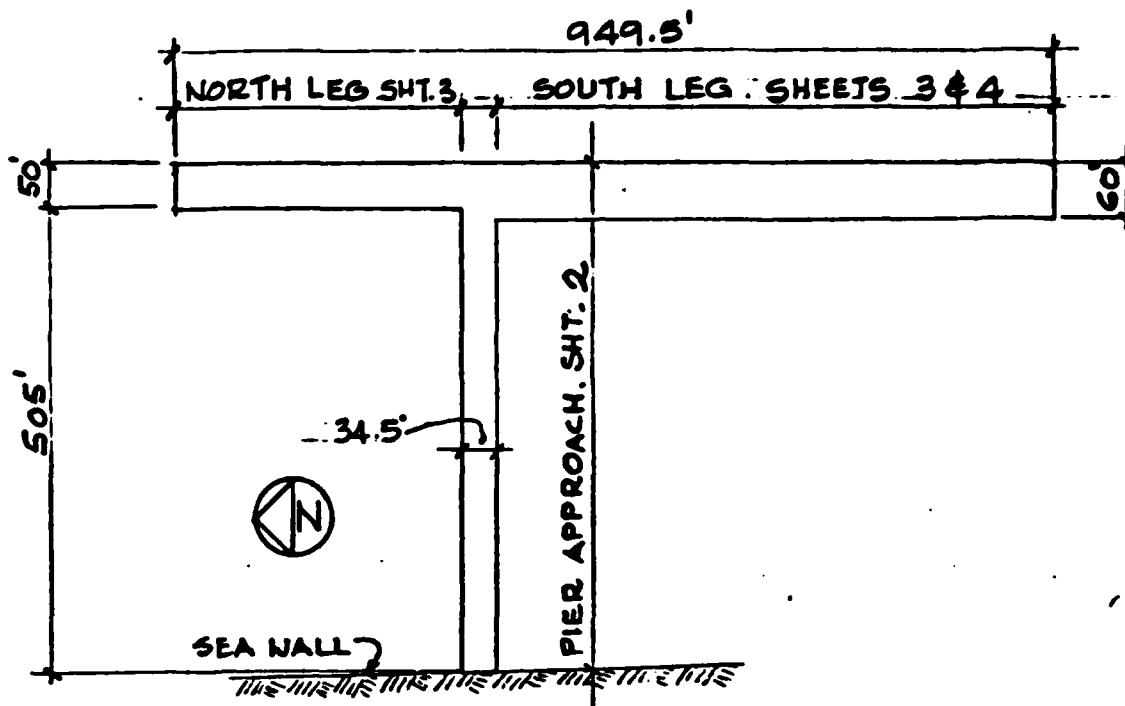
PIER PLAN AND LEGEND

Prepared by: FERVER ENG. CO.  
Date:

EIC  
J.B. BRUCE

BR. HD.  
J.B. BRUCE

DIV. DIR.  
G. ALLISON



PIER PLAN

SCALE: 1" = 200'

LEGEND (SEE SHEETS 2, 3, 4)

---	D---	DIESEL FUEL PIPE
---	J---	JET FUEL PIPE
---	AG---	AVIATION GAS PIPE
---	MG---	MOTOR GAS PIPE
---	NS---	NAVY SPECIAL (BLACK OIL) PIPE

NOTE A NUMBER PRECEEDING A PIPE LETTER (SHEETS 2, 3, & 4)  
DENOTES THE NOMINAL DIAMETER OF THAT PIPE.

EXAMPLE: --- 16J --- 16" JET FUEL PIPE.

DEPT OF THE NAVY NAV FAC ENG COM  
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SAN DIEGO, CALIFORNIA

NSC, PT. LOMA ANNEX

SAN DIEGO, CA

RECOAT FUEL LINES (M1-79)

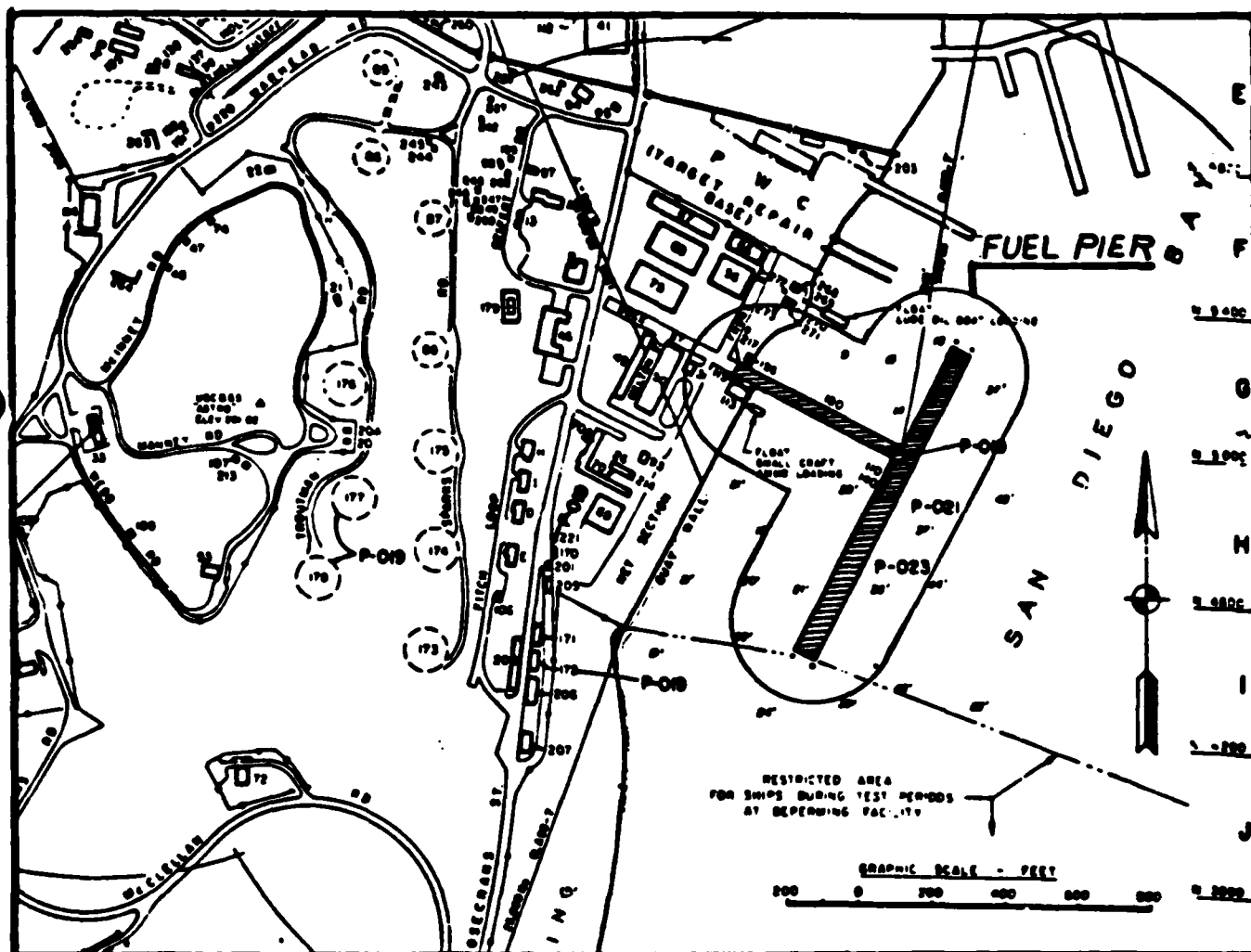
LOCATION MAP

PREPARED BY  
JATE  
FERVER ENGR. CO.

SIC  
J.B. BRUCE

SA MD  
J.B. BRUCE

SVV DR  
G. ALLISON



INSPECTION SUMMARY OF PT LOMA POL PIER AND QUAY WALL ✓

A. Quay Wall:

The six hundred foot quay wall was inspected and approximately three inches of marine growth was noted throughout. The wall appears to be in excellent condition except for three areas near building 113. These areas require repair in the near future to halt the washout which is causing the macadam to sink along the wall.

B. POL Pier:

Pier 180, for convenience, is referenced to as either the "old" or "new" sections. The older section consists of 57 cylindrical concrete piles. Piles numbers 4B, 12B, 13B, and 15A all have lost structural integrity, and each has been replaced with four wood supporting piles. On the new section, 291 piles were inspected, with no significant damage noted. Marine growth of two to six inches was in evidence on the majority of the piles.

Enclosure (2)

U.S. NAVY  
NAVAL CONSTRUCTION TEAM TWO  
NAVAL CONSTRUCTION BATTALION CENTER  
PORT HUENEME CALIFORNIA 93043

LOCATION: WAS NORTH ISLAND CA DATE: 17 SEPT. 80 DIVERS: JOHNSTON & DURN

PIER NAME/NO. JK PILE PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET  
PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE  
TIME OF DAY: 1235 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	NI	FILE DAMAGE				TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO		FUNC	HGT	WIDTH	
5	A		X							25'				4" MARINE GROWTH IE. (MUSSLS, BARNACLES & SCALLOPS.)
6	A		X							20'				" "
6	B		X							20'				" "
6	C		X							20'				" "
6	D		X							20'				" "
6	E		X							20'				" "
6	F		X							20'				" "
6	G		X							20'				" "
7	A		X							15'				" "
8	A		X							21'				" "
8	B		X							20'				" "
8	C		X							21'				" "
8	D		X							21'				" "
8	E		X							20'				4" MARINE GROWTH IE. (MUSSLS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL



DEPARTMENT OF THE NAVY  
NAVAL WATER CONSTRUCTION TEAM TWO  
NAVAL CONSTRUCTION BATTALION CENTER  
PORT HUENEME CALIFORNIA 93043

LOCATION: NAS NORTH ISLAND DATE: 17 SEPT. 80 DIVERS: JOHNSTON & DUNN

PIER NAME/NO. JK PIER PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1250 TIDE:            WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:           

BENT NO.	PILE NO.	NI	PILE DAMAGE				TYPE DAMAGE		GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH		BIO	FUNC	HGT	
8	F		X										4" MARINE GROWTH IF. (MUSSLS, BARNICLES & SCALLOPS.)
8	G		X										" " "
9	A		X										" " "
10	A		X										" " "
10	B		X										" " "
10	C		X										" " "
10	D		X										" " "
10	L		X										" " "
10	F		X										" " "
10	G		X										" " "
11	A		X										" " "
12	A			X						X			CONCRETE IS SOFTENING
12	B		X										4" MARINE GROWTH IF. (MUSSLS, BARNICLES & SCALLOPS.)
12	C		X										4" MARINE GROWTH IF. (MUSSLS, BARNICLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

LOCATION: LAS NORTH ISLAND CA DATE: 17 SEPT. 80 DIVERS: JOHNSTON & DUNN

PIER NAME/NO. JC PILE PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1315 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	NI	PILE DAMAGE				TYPE DAMAGE			GAUGE DIMENSIONS OF DAMAGE			COMMENTS	
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC	DEPTH	HGT		WIDTH
12	D		X							21'				4" MARINE GROWTH IF. (MUSSELS, BARNICLES & SCALLOPS.)
12	E					X				8'	18"	15"	2"	STALDING NO PE-BAR EXPOSED
12	F		X							20'				4" MARINE GROWTH IF. (MUSSELS, BARNICLES & SCALLOPS.)
12	G		X							20'				" "
13	A		X							21'				" "
14	A		X							21'				" "
14	B		X							21'				" "
14	C		X							21'				" "
14	D		X							21'				" "
14	E		X							21'				" "
14	F		X							21'				" "
14	G		X							21'				" "
15	A					X				21'	13"	6"	1 1/2"	CONCRETE IS SOFT AND SPALLING
16	A		X							21'				4" MARINE GROWTH IF. (MUSSELS, BARNICLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

LOCATION: LAS ANCHAS ISLAND CA DATE: 17 SEPT. 80 DIVERS: JOHNSTON & DUNN

PIER NAME/NO. 16 PILE PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1340 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

PENT NO.	PILE NO.	PILE DAMAGE			TYPE DAMAGE			GAUGE			DIMENSIONS OF DAMAGE			COMMENTS
		NI	NO	MOD	MAJ	SEV	MECH	BIO	FUNC	DEPTH	HGT	WIDTH	PENETR	
16	1		X							21'				4" MARINE GROWTH IF (QUESTLS, PARTICLES & SCALLOPS.)
16	2		X							21'				"
16	3		X							21'				"
16	4		X							21'				"
16	5		X							21'				"
17	1		X							22'				"
18	1		X							22'				"
18	2		X							22'				"
18	3		X							22'				"
18	4		X							22'				"
18	5		X							22'				"
18	6		X							22'				"
18	7		X							22'				"
19	1		X							22'				"
20	1		X							22'				"
20	2		X							22'				"
20	3		X							22'				"
20	4		X							22'				"
20	5		X							22'				"
20	6		X							22'				"
20	7		X							22'				"
20	8		X							22'				"
20	9		X							22'				"
20	10		X							22'				"
20	11		X							22'				"
20	12		X							22'				"
20	13		X							22'				"
20	14		X							22'				"
20	15		X							22'				"
20	16		X							22'				"
20	17		X							22'				"
20	18		X							22'				"
20	19		X							22'				"
20	20		X							22'				"
20	21		X							22'				"
20	22		X							22'				"
20	23		X							22'				"
20	24		X							22'				"
20	25		X							22'				"
20	26		X							22'				"
20	27		X							22'				"
20	28		X							22'				"
20	29		X							22'				"
20	30		X							22'				"
20	31		X							22'				"
20	32		X							22'				"
20	33		X							22'				"
20	34		X							22'				"
20	35		X							22'				"
20	36		X							22'				"
20	37		X							22'				"
20	38		X							22'				"
20	39		X							22'				"
20	40		X							22'				"
20	41		X							22'				"
20	42		X							22'				"
20	43		X							22'				"
20	44		X							22'				"
20	45		X							22'				"
20	46		X							22'				"
20	47		X							22'				"
20	48		X							22'				"
20	49		X							22'				"
20	50		X							22'				"
20	51		X							22'				"
20	52		X							22'				"
20	53		X							22'				"
20	54		X							22'				"
20	55		X							22'				"
20	56		X							22'				"
20	57		X							22'				"
20	58		X							22'				"
20	59		X							22'				"
20	60		X							22'				"
20	61		X							22'				"
20	62		X							22'				"
20	63		X							22'				"
20	64		X							22'				"
20	65		X							22'				"
20	66		X							22'				"
20	67		X							22'				"
20	68		X							22'				"
20	69		X							22'				"
20	70		X							22'				"
20	71		X							22'				"
20	72		X							22'				"
20	73		X							22'				"
20	74		X							22'				"
20	75		X							22'				"
20	76		X							22'				"
20	77		X							22'				"
20	78		X							22'				"
20	79		X							22'				"
20	80		X							22'				"
20	81		X							22'				"
20	82		X							22'				"
20	83		X							22'				"
20	84		X							22'				"
20	85		X							22'				"
20	86		X							22'				"
20	87		X							22'				"
20	88		X							22'				"
20	89		X							22'				"
20	90		X							22'				"
20	91		X							22'				"
20	92		X							22'				"
20	93		X							22'				"
20	94		X							22'				"
20	95		X							22'				"
20	96		X							22'				"
20	97		X							22'				"
20	98		X							22'				"
20	99		X							22'				"
20	100		X							22'				"

NO=NONE, MIN=MINIMUM, MCD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

LOCATION: LAS ANCHAS ISLAND, CA DATE: 17 SEPT. 80 DIVERS: JOHNSTON & DUFF

PIER NAME/NO. JALIL PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1350 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	FILE NO.	FILE DAMAGE			TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NI	NO	MIN	MOD	MAJ	SEV		MECH	BIO	FUNC	
20	C			X									8" MARINE GROWTH IF (GUSSETS, BATHICALS & SCALLOPS.)
20	D			X									" " "
20	E			X									" " "
21	A				X					20"	6"	3"	CORNER OF PILE IS BROKEN OFF
21	B								X	22'			CONCRETE IS SPLITTING
21	C								X	22'			" " "
21	D								X	22'			" " "
21	E								X	22'			" " "
21	F								X	22'			" " "
21	G								X	22'			" " "
22	A								X	22'			" " "
22	B								X	22'			" " "
22	C								X	22'			" " "
22	D								X	20'			" " "
22	E								X	20'			" " "
23	A								X	20'			8" MARINE GROWTH CONCRETE IS SPLITTING

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

SEA VIEW OF THE NAVY  
UNDERWATER CONSTRUCTION TEAM TWO  
NAVAL CONSTRUCTION BATTALION CENTER  
FORT HUENEME, CALIFORNIA 93043

LOCATION: WAS NORTH ISLAND CA DATE: 17 SEPT. 80 DIVERS: PONTA & JOHNSON

PIER NAME/NO. JK PIER PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1450 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	NI	PILE DAMAGE				TYPE DAMAGE		GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH		BIO	FUNC	HGT	
23	L				X				X	20'			8" MARINE GROWTH CONCRETE IS SUFFICIENT
24	A				X				X	20'			" "
25	A				X				X	20'			" "
25	B				X				X	20'			" "
25	C				X				X	20'			" "
25	D				X				X	20'			" "
25	E				X				X	20'			" "
25	F				X				X	20'			" "
26	A				X				X	20'			" "
27	A				X				X	20'			" "
28	I		X							21'			8" MARINE GROWTH IF (MUSSELS, BARNICALS & SCALLOPS.)
29	A									20'			" "
30	A									21'			" "
31	B		X							20'			8" MARINE GROWTH IF (MUSSELS, BARNICALS & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

LOCATION: CAS NORTH ISLAND DATE: 18 SEPT. 80 DIVERS: CIVILLI & BIPPOSKI

PIER NAME/NO. JA PIER PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 0000 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC	DEPTH	HGT	WIDTH	
30	C		X							20'				8" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
30	D		X							20'				" " "
30	L		X							20'				" " "
31	L		X							20'				" " "
32	.		X							21'				" " "
33	A		X							21'				" " "
33	.		X							21'				" " "
33	C		X							20'				" " "
33	L		X							21'				" " "
33	L		X							20'				" " "
34	A		X							19'				" " "
35	A		X							20				" " "
36	A			X				X		19'	1'	10"	1"	CONCRETE SPALLING WITH 8" RE-BAR EXPOSED
37	.		X							21'				8" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY  
UNDERWATER CONSTRUCTION TEAM TWO  
NAVAL CONSTRUCTION BATTALION CENTER  
PORT HUENEME, CALIFORNIA 93043

LOCATION: WAS NORTH ISLAND CA DATE: 13 SEPT. 80 DIVERS: DEMILLE & IMBORSKI

PIER NAME/NO. JK PILE PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 0920 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
38	A		X								21'				10" MARINE GROWTH IF (MUSSELS, BARNACLES & SCALLOPS.)
38	B		X								20'				" " "
38	C		X								21'				" " "
38	D		X								20'				" " "
38	L		X								21'				" " "
39	A		X								20'				" " "
40	A		X								21'				" " "
41	A		X								20'				" " "
41	B		X								20'				" " "
41	C		X								21'				" " "
41	D		X								20'				" " "
41	L		X								21'				" " "
42	A		X								20'				" " "
42	1B			X						X	21'				CONCRETE IS SPALDING, 8" MARINE GROWTH

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY  
UNDERWATER CONSTRUCTION TEAM TWO  
NAVAL CONSTRUCTION BATTALION CENTER  
PORT HUENEME, CALIFORNIA 93043

LOCATION: LAS NORTH ISLAND, CA DATE: 18 SEPT. 80 DIVERS: DIMILL & IMPORSKI

PIER NAME/NO. JK PILE PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 0930 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	NI	PILE DAMAGE				TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE				COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO		FUNG	HGT	WIDTH	PENETR	
43	A					X				16'	12"	10"	2 1/2"	CONCRETE IS SPALDING, 8" OF RE-BAR IS EXPOSED.	
43	1B		X							21'				10" MARINE GROWTH IF. (MUSSELS, BARNICALS & SCALLOPS.)	
44	A		X							20'				" " " "	
44	B		X							21'				" " " "	
44	C		X							20'				" " " "	
44	D		X							21'				" " " "	
44	2L		X							20'				" " " "	
44	I		X							21'				" " " "	
45	I		X							20'				" " " "	
45	2B		X							21'				" " " "	
45	A		X							20'				" " " "	
45	1B		X							21'				" " " "	
46	B		X							20'				" " " "	
46	C		X							21'				10" MARINE GROWTH IF. (MUSSELS, BARNICALS & SCALLOPS.)	

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL



LOCATION: SAS NORTH ISLAND CA DATE: 18 SEPT. 80 DIVERS: DUNNILL & ENROPSKI

PIER NAME/NO. JK PILE PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1020 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BLT NO.	PILE NO.	NI	FILE DAMAGE					TYPE DAMAGE		GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO		FUNC	HGT	WIDTH	
46	D		X							21'				10" MARINE GROWTH IF (MUSSELS, BARNICALS & SCALLOPS.)
46	L		X							20'				" " "
46	26		X							21'				" " "
46	A			X					X	20'				10" MARINE GROWTH, CONCRETE IS SOFTENING.
46	B			X					X	20'				" " "
46	C			X					X	21'				" " "
46	D			X					X	20'				" " "
46	L			X					X	20'				" " "
46	F			X					X	21'				" " "
46	G			X					X	20'				" " "
46	16			X					X	21'				" " "
46	26			X					X	20'				" " "
46	36			X					X	20'				" " "
46	46			X					X	21'				10" MARINE GROWTH, CONCRETE IS SOFTENING.

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

LOCATION: LAS NOROL ISLAND CA

DATE: 18 SEPT. 80

DIVERS: DURAN & CRAIG

PIER NAME/NO. JK PIER

PILE TYPE: ☒ BEARING

☐ FENDER

☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1115 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	NI	PILE DAMAGE				TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO		FUNC	HGT	WIDTH	
52	A			X					X		20'			10" MARINE GROWTH, CONCRETE IS SOFTENING.
52	B			X					X		21'			"
52	C			X					X		20'			"
52	D			X					X		21'			"
52	L			X					X		20'			"
52	F			X					X		20'			"
52	G			X					X		20'			"
52	1E			X					X		20'			"
52	2E			X					X		21'			"
52	3E			X					X		20'			"
52	4E			X					X		20'			"
55	A			X					X		20'			"
55	B			X					X		21'			"
55	C			X					X		20'			10" MARINE GROWTH, CONCRETE IS SOFTENING

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

LOCATION: LAS NORTH ISLAND CA DATE: 13 SEPT. 80 DIVERS: DURAN & CRAIG

PIER NAME/NO. JK PILE PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1130 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	NI	FILE DAMAGE				TYPE DAMAGE		GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS	
			NO	MIN	MOD	MAJ	SEV	MECH		BIO	FUNC	HGT		WIDTH
55	D			X					X		21'			10" MARINE GROWTH, CONCRETE IS SOFTENING.
55	L			X					X		20'			"
55	F			X					X		21'			"
55	C			X					X		21'			"
55	1B			X					X		20'			"
55	2:			X					X		21'			"
55	3B			X					X		21'			"
55	4B			X					X		20'			"
58	A			X					X		21'			"
58	B			X					X		20'			"
58	C			X					X		20'			"
58	D			X					X		21'			"
58	L			X					X		20'			"
58	F			X					X		20'			10" MARINE GROWTH, CONCRETE IS SOFTENING.

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

LOCATION: NAS NORTH ISLAND CA DATE: 18 SEPT. 80 DIVERS: DURAN & CRAIG

PIER NAME/NO. JR. PIER PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1145 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	NI	PILE DAMAGE				TYPE DAMAGE		GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS		
			NO	MIN	MOD	MAJ	SEV	MECH		BIO	FUNG	HGT		WIDTH	PENETR
58	G			X					Y		21'			10" MARINE GROWTH, CONCRETE IS SOFTENING.	
58	1B			X					X		21'			" "	
58	2B			X					X		20'			" "	
58	3B			X					X		21'			" "	
58	4B			X					X		21'			" "	
61	A			X					X		20'			" "	
61	B			X					X		21'			" "	
61	C			X					X		21'			" "	
61	D			X					X		16'	6"	4"	1 1/2"	CONCRETE IS SPALDING, NO RE-BAR EXPOSED.
61	L			X					X		21'				10" MARINE GROWTH, CONCRETE IS SOFTENING.
61	F			X					X		21'				" "
61	G			X					X		21'				" "
61	1B			X					X		20'				" "
61	2B			X					X		20'				10" MARINE GROWTH, CONCRETE IS SOFTENING.

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

UNITED STATES NAVY  
ENGINEERING CONSTRUCTION TEAM TWO  
NAVAL CONSTRUCTION BATTALION CENTER  
PORT HUENEME CALIFORNIA 93043

LOCATION: LAS ROMAS ISLAND CA DATE: 12 SEPT. 80 DIVERS: DURAN & CRAIG

PIER NAME/NO. JR PIER PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1200 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	NI	PILE DAMAGE				TYPE DAMAGE		GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS	
			NO	MIN	MOD	MAJ	SEV	MECH		BIO	FUNG	HGT		WIDTH
61	3E			X					X		21'			10" MARINE GROWTH, CONCRETE IS SOFTENING.
61	4L			X					X		20'			" "
63	A			X					X		20'			" "
63	B			X					X		21'			" "
63	C			X					X		21'			" "
63	D			X					X		21'			" "
63	E			X					X		21'			" "
63	F			X					X		21'			" "
63	G			X					X		20'			" "
63	1L			X					X		21'			" "
63	2L			X					X		20'			" "
63	3L			X					X		20'			" "
63	4L			X					X		21'			" "
66	A			X					X		21'			10" MARINE GROWTH, CONCRETE IS SOFTENING

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

SEAFORTH ISLAND, CALIFORNIA  
 CONCRETE PIER ON TEAM TWO  
 NAVAL CONSTRUCTION CENTER  
 PORT HUENEME, CALIFORNIA 93043

LOCATION: SEAFORTH ISLAND, CA DATE: 13 SEPT. 80 DIVERS: MURRAY & CRAIG

PIER NAME/NO. J.R. PIER PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET  
 PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1205 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	PILE DAMAGE			TYPE DAMAGE			GAUGE			DIMENSIONS OF DAMAGE			COMMENTS
		NI	NO	MIN	MOD	MAJ	SEV	EIO	FUNC	DEPTH	HGT	WIDTH	PENETR	
66	B		X					X		20'				10" MARINE GROWTH, CONCRETE IS SPALLING.
66	C		X					X		21'				" " " "
66	D		X					X		20'				" " " "
66	E		X					X		20'				" " " "
66	F		X					X		20'				" " " "
66	G		X					X		20'				" " " "
66	1B		X					X		20'				" " " "
66	2A		X					X		21'				" " " "
66	3B		X					X		20'				" " " "
66	4B		X					X		21'				" " " "
67	A		X					X		20'				" " " "
68	A		X					X		21'				" " " "
69	A			X				X		10'	2"	6"	11"	CONCRETE IS SPALLING, NO RE-BAR IS EXPOSED.
69	B		X					X		20'				10" MARINE GROWTH, CONCRETE IS SPALLING.

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

LOCATION: WAS MOUNT ISLAND CA DATE: 12 SEPT 80 DIVERS: IRONIA & DUNN

PIER NAME/NO. JH PILE PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1304 TIDE:            WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:           

BENT NO.	PILE NO.	NI	PILE DAMAGE			TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH		BIO	FUNC	HGT	
60	B			X					X	21'			10" MARINE GROWTH, CONCRETE IS SOFTENING.
60	C			X					X	20'			" " "
60	D			X					X	21'			" " "
60	L			X					X	21'			" " "
60	F			X					X	20'			" " "
60	C			X					X	20'			" " "
60	1E			X					X	21'			" " "
60	2L			X					X	20'			" " "
60	3a			X					X	21'			" " "
60	4b			X					X	21'			" " "
70	A			X					X	15'	15'	1" 1 1/2"	CRACKED CONCRETE, NO RE-BAR EXPOSED.
71	A			X					X	20'			10" MARINE GROWTH, CONCRETE IS SOFTENING.
72	A									4'	1'	2" 2"	PILE IS CRACKED, NO RE-BAR IS EXPOSED.
72	B			X					X	20'			10" MARINE GROWTH, CONCRETE IS SOFTENING.

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

LOCATION: MANHATTAN ISLAND, CA DATE: 10 JUL 80 DIVERS: MONIA & DICK

PIER NAME/NO. JULIUS PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☒ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1330 TIDE:            WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	FILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
72	C			X					X		21'				10" MARINE GROWTH, CONCRETE IS SOFTENING.
72	D			X					X		20'				" " "
72	E			X					X		21'				" " "
72	F			X					X		15'	15'	1"	1 1/2"	PILE HAS A CRACK WITH NO REBAR EXPOSURE.
72	G			X					X		21'				10" MARINE GROWTH, CONCRETE IS SOFTENING.
72	IL			X					X		20'				" " "
72	2L			X					X		21'				" " "
72	3L			X					X		20'				" " "
72	4L			X					X		21'				" " "
73	F			X					X		22'				" " "
74	F			X					X		20'				" " "
75	A			X					X		21'				" " "
75	B			X					X		20'				" " "
75	C			X					X		21'				10" MARINE GROWTH, CONCRETE IS SOFTENING.

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL



LOCATION: SAN RAFAEL ISLAND, CA DATE: 18 JULY 80 DIVERS: PROFF & DURN

PIER NAME/NO. J. PIER PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1400 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	NI	PILE DAMAGE				TYPE DAMAGE		GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	NOD	MAJ	SEV	MECH		BIO	FUNC	HGT	
75	D			X					X	21'			10" MARINE GROWTH, CONCRETE IS SOFTENING.
75	E				X					20'			CONCRETE IS SPALLING, NO RE-BAR EXPOSED.
75	F		X						X	20'			10" MARINE GROWTH, CONCRETE IS SOFTENING.
75	G				X					15'			CONCRETE IS SPALLING, NO RE-BAR EXPOSED.
75	1A		X						X	20'			10" MARINE GROWTH, CONCRETE IS SOFTENING.
75	2A		X						X	21'			" " " "
75	3A				X				X	10'	15'	6"	CONCRETE IS SPALLING, NO RE-BAR EXPOSED.
75	4A		X						X	20'			10" MARINE GROWTH, CONCRETE IS SOFTENING.
76	A		X						X	21'			" " " "
77	A		X						X	20'			" " " "
78	A		X						X	21'			" " " "
78	B		X						X	21'			" " " "
78	C		X						X	20'			" " " "
78	D		X						X	21'			10" MARINE GROWTH, CONCRETE IS SOFTENING.

NO=NONE, MIN=MINIMUM, MCD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY  
UNDERWATER SURVEILLANCE TEAM TWO  
NAVAL CONSTRUCTION BATTALION CENTER  
PORT HUENEME CALIFORNIA 93043

LOCATION: NAS NORTH ISLAND CA DATE: 12 SEPT. 80 DIVERS: PROTA & DUK

PIER NAME/NO. JH PIER PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET  
PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1445 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	NI	FILE DAMAGE				TYPE DAMAGE		GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS	
			NO	MIN	MOD	MAJ	SEV	MECH		BIO	FUNC	HGT		WIDTH
78	J			X					X		21'			10" MARINE GROWTH, CONCRETE IS SOFTENING.
78	L			X					X		20'			" "
78	F			X					X		21'			" "
76	G			X					X		20'			" "
73	16			X					X		21'			" "
76	26			X					X		20'			" "
76	38			X					X		20'			" "
73	46			X					X		21'			" "
72	A			X					X		21'			" "
72	A			X					X		20'			" "
30	B			X					X		21'			" "
70	C			X					X		21'			" "
73	D			X					X		21'			" "
60	I			X					X		20'			10" MARINE GROWTH, CONCRETE IS SOFTENING

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

LOCATION: LAS VEGAS NORTH ISLAND CA

DATE: 18 SEP. 89

DIVERS: PROHITA & DUTY

PIER NAME/NO. J. PIER

PILE TYPE: ☒ Y BEARING

FENDER SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☐ CONCRETE ☒ STEEL "H" PILE

TIME OF DAY: 1515 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

[illegible]

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

LOCATION: LAS VEGAS NORTH ISLAND CA DATE: 18 SEPT. 80 DIVERS: MUSELVE & JOHNSTON

PIER NAME/NO. JK PILE APPROACHWAY PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1515 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	PILE DAMAGE			TYPE DAMAGE			GAUGE			DIMENSIONS OF DAMAGE			COMMENTS
		NI	NO	MIN	MOD	MAJ	SEV	BIO	FUNG	DEPTH	HGT	WIDTH	PENETR	
1	A		X							8'				8" MARINE GROWTH IF. (CUSSELLS, BARNICALS & SCALLOPS.)
1	B		X							9'				" " "
1	C		X							8'				" " "
1	D		X							8'				" " "
1	E		X							8'				" " "
1	F		X							8'				" " "
2	A		X							12'				" " "
2	B		X							12'				" " "
2	C		X							12'				" " "
2	D		X							12'				" " "
2	E		X							12'				" " "
2	F		X							12'				" " "
2	G		X							12'				" " "
3	A		X							21'				8" MARINE GROWTH IF. (CUSSELLS, BARNICALS & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY  
UNDERWATER CONSTRUCTION TEAM TWO  
NAVAL CONSTRUCTION BATTALION CENTER  
PORT HUENEME, CALIFORNIA 93043

LOCATION: NAS NORTH ISLAND DATE: 18 SEPT. 80 DIVERS: MESERVE & JOHNSTON

PIER NAME/NO. JR 111R APPROACHWAY PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1545 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	PILE DAMAGE				TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
		NI	NO	MIN	MOD	MAJ	SEV	Mech		HGT	WIDTH	PENETR	
5	E		X						21'				10" MARINE GROWTH II. (CUSSELLS, BARNICALS & SCALLOPS.)
5	C		X						21'				" " "
5	D		X						21'				" " "
5	L		X						21'				" " "
5	A		X						21'				" " "
5	B		X						20'				" " "
5	C		X						20'				" " "
5	D		X						21'				" " "
5	E		X						20'				" " "
11	A		X						20'				" " "
11	B		X						21'				" " "
11	C		X						21'				" " "
11	D		X						20'				" " "
11	E		X						21'				10" MARINE GROWTH II. (CUSSELLS, BARNICALS & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL



DEPARTMENT OF THE NAVY  
UNDERWATER CONSTRUCTION TEAM TWO  
NAVAL CONSTRUCTION BATTALION CENTER  
PORT HUENEME, CALIFORNIA 93043

LOCATION: PT. LOMA CA DATE: 19 SEPT. 90 DIVERS: WRIGHT & DUNN

PIER NAME/NO. PT. LOMA FULL PIER PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☒ STEEL PIPE ☐ STEEL SHEET ☐ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1010 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	NI	PILE DAMAGE			TYPE DAMAGE			GAUGE DIMENSIONS OF DAMAGE			COMMENTS		
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC	DEPTH		HGT	WIDTH
8	A		X								7'			6" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
8	B		X								7'			" " "
9	A		X								7'			" " "
9	B		X								7'			" " "
10	A		X								7'			" " "
10	B		X								7'			" " "
11	A		X								7'			" " "
11	B		X								7'			" " "
12	A		X								10'			" " "
12	B		X								10'			" " "
13	A		X								10'			" " "
13	B					X			X		10'			" " "
14	A		X								10'			" " "
14	B		X								10'			6" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

PL. LOYA CA

10 SEPT. 80

WICKETS DUNE

LOCATION:

DATE:

DIVERS:

PIER NAME/NO. PT. LOYA FULL PILE PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☒ STEEL PIPE ☐ STEEL SHEET ☐ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1025 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	PILE DAMAGE				TYPE DAMAGE			GAUGE			DIMENSIONS OF DAMAGE			COMMENTS
		NI	NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC	DEPTH	HGT	WIDTH	PENETR	
15	A		X								10'				6" MARINE GROWTH IF. (BARNACLES, MUSSELS & SCALLOPS.)
15	B					X									
16	A		X								10'				6" MARINE GROWTH IF. (MUSSELS, BARNACLES & SCALLOPS.)
16	B		X								10'				" " " "
17	A		X								10'				FOUR STEEL PILES REPLACING THE ORIGINAL MAIN PILE.
17	B		X								10'				6" MARINE GROWTH IF. (MUSSELS, BARNACLES & SCALLOPS.)
18	A		X								10'				" " " "
18	B		X								10'				" " " "
19	A		X								10'				" " " "
19	B		X								10'				" " " "
20	A		X								20'				" " " "
20	B		X								25'				" " " "
21	A		X								20'				" " " "
21	B		X								25'				6" MARINE GROWTH IF. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL



LOCATION: PT. LOYA CA

DATE: 10 SEPT. 80

DIVERS: WRIGHT & DUNK

PIER NAME/NO. PT. LOYA FULL PIET

PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☒ STEEL PIPE ☐ STEEL SHEET ☐ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1040

TIDE:

WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	NI	PILE DAMAGE				TYPE DAMAGE		GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MOD	MAJ	SEV	MECH	BIO		FUNC	HGT	WIDTH	
22	A		X						20'				6" MARINE GROWTH IL. (MUSSELS BARNACLES & SCALLOPS.)
22	B		X						25'				" " "
23	A		X						20'				" " "
23	B		X						25'				" " "
24	A		X						20'				" " "
24	B		X						25'				" " "
25	A		X						20'				" " "
25	B		X						25'				" " "
26	A		X						20'				" " "
26	B		X						25'				" " "
27	A		X						20'				" " "
27	B		X						25'				" " "
28	A		X						20'				" " "
28	B		X						25'				6" MARINE GROWTH IL. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

LOCATION: PT LOWA CA

DATE: 19 SEPT. 80

DIVERS:  
ITICIT & DUNN

PIER NAME/NO. PT. LONA FULL TIER.

FILE TYPE:

**FENDER**

**SHEET**

PILE MATERIAL: ☐ TIMBER ☒ STEEL PIPE ☐ STEEL SHEET ☐ CONCRETE ☐ STEEL "H" PILE

## CONCRETE

### STEEL "H" PILE

TIME OF DAY: 1050 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

[illegible]

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY  
UNDERWATER CONSTRUCTION TEAM TWO  
NAVAL CONSTRUCTION BATTALION CENTER  
PORT HUENEME CALIFORNIA 93043

LOCATION: PT. LOMA CA DATE: 19 SEPT. 80 DIVERS: MLSRVL & JOHNSON

PIER NAME/NO. PT. LOMA FULL PIER PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1345 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

PENT. NO.	PILE NO.	NI	FILE DAMAGE				TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO		FUNC	HGT	WIDTH	
1	A		X							22'				6-8" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
1	B		X							24'				
1	C		X							26'				
1	D		X							28'				" "
1	E		X							30'				" "
1	F		X							32'				" "
2	A		X							22'				" "
2	B		X							24'				" "
2	C		X							26'				" "
2	D		X							28'				" "
2	E		X							30'				" "
2	F		X							32'				" "
3	A		X							22'				" "
3	B		X							24'				6" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY  
UNDERWATER CONSTRUCTION TEAM TWO  
NAVAL CONSTRUCTION BATTALION CENTER  
PORT HUENEME CALIFORNIA 93043

LOCATION: PT. LOMA CA DATE: 19 SEPT. 80 DIVERS: MUSTAVE & JOHNSON

PIER NAME/NO. PT. LOMA TULL PILE PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET  
PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1045 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	PILE DAMAGE				TYPE DAMAGE		GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
		NI	NO	MIN	MOD	MAJ	SEV		HGT	WIDTH	PFNETR	
3	C		X					26'				6" MARINE GROWTH IF (MUSSELS, BARNACLES & SCALLOPS.)
3	D		X					28'				" " "
3	L		X					30'				" " "
3	T		X					32'				" " "
4	A		X					22'				" " "
4	B		X					24'				" " "
4	C		X					26'				" " "
4	D		X					28'				" " "
4	L		X					30'				" " "
4	F		X					32'				" " "
5	A		X					22'				" " "
5	B		X					24'				" " "
5	C		X					26'				" " "
5	D		X					28'				6" MARINE GROWTH IF (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

LOCATION: PT. LOMA CA

DATE: 19 SEPT. 80

DIVERS: MISERVE & JOHNSTON

PIER NAME/NO. FT. LOMA FULL PILEP

PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1045

TIDE:

WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	FILE NO.	NI	FILE DAMAGE				TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO		FUNC	HGT	WIDTH	
5	1		X							30'				6" MARINE GROWTH IT. (MUSSELS, BARNACLES & SCALLOPS.)
5	1		X							32'				
5	1		X							22'				
5	1		X							24'				
5	1		X							26'				
5	1		X							28'				
5	1		X							30'				
5	1		X							32'				
7	1		X							22'				
7	1		X							24'				
7	1		X							26'				
7	1		X							28'				
7	1		X							30'				
7	1		X							32'			6" MARINE GROWTH IT. (MUSSELS, BARNACLES & SCALLOPS.)	

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

LOCATION: FT. LUNA, CA

DATE: 19 SEPT. 80

DIVERS: WISER & JOHNSON

PIER NAME/NO. FT. LUNA FULL PIER

PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1045

TIDE:

WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	FILE DAMAGE			TYPE DAMAGE	SEV	MECH	BIO	FUNC	DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
		NI	NO	MIN	MOD	MAJ					HGT	WIDTH	PENETR	
1	A		X							22'				6" MARINE GROWTH IL. (MUSSELS, BARNACLES & SCALLOPS.)
2	B		X							24'				" " "
3	C		X							26'				" " "
4	D		X							28'				" " "
5	E		X							30'				" " "
6	F		X							32'				" " "
7	G		X							22'				" " "
8	H		X							24'				" " "
9	I		X							26'				" " "
10	J		X							28'				" " "
11	K		X							30'				" " "
12	L		X							32'				" " "
13	M		X							22'				" " "
14	N		X							24'				6" MARINE GROWTH IL. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY  
UNDERWATER CONSTRUCTION TEAM TWO  
NAVAL CONSTRUCTION BATTALION CENTER  
PORT HUENEME CALIFORNIA 93043

LOCATION: PT. LOMA CA DATE: 10 SEPT. 80 DIVERS: WISEPWI & JOHNSTON

PIER NAME/NO. PT LOMA FULL FILL PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1045 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	NI	PILE DAMAGE			TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH		BIO	FUNC	HGT	
10	C		X						26'				6" MARINE GROWTH IF. (MUSSELS, BARNACLES & SCALLOPS.)
10	D		X						29'				" " "
10	E		X						30'				" " "
10	F		X						32'				" " "
11	A		X						22'				" " "
11	B		X						24'				" " "
11	C		X						26'				" " "
11	D		X						28'				" " "
11	E		X						30'				" " "
11	F		X						32'				" " "
12	A		X						22'				" " "
12	B		X						24'				" " "
12	C		X						26'				" " "
12	D		X						28'				6" MARINE GROWTH IF. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

LOCATION: PT. LOMA CA DATE: 10 SEPT. 80 DIVERS: HILF & JOHNSTON

PIER NAME/NO. PT. LOMA FULL PIER PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1045 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

PENT NO.	FILE NO.	FILE DAMAGE			TYPE DAMAGE			GAUGE DAMAGE			DIMENSIONS OF DAMAGE			COMMENTS
		NI	NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC	DEPTH	HGT	WIDTH	
12	I		X								30'			6" MARINE GROWTH II. (MUSSELS, BARNACLES & SCALLOPS.)
12	F		X								32'			" " "
13	A		X								22'			" " "
13	B-1	X												
13	F		X								30'			" " "
14	A		X								22'			" " "
14	B		X								24'			10" MARINE GROWTH II. (MUSSELS, BARNACLES & SCALLOPS.)
14	C		X								26'			" " "
14	F		X								28'			" " "
14	L		X								30'			" " "
14	F		X								32'			" " "
15	A		X								22'			" " "
15	B-1	X												
15	F		X								32'			10" MARINE GROWTH II. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL



LOCATION: FT. LOMA CA

DATE: 19 SEPT. 89

DIVERS: MUSELVE & JOHNSTON

PIER NAME/NO. FT. LOMA FULL PILE

PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1239 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	PILE DAMAGE			TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
		NI	NC	MIN	MOD	MAJ	SEV		HGT	WIDTH	PENETR	
16	A		X					22'				10" MARINE GROWTH IF (MUSSELS, BARNACLES & SCALLOPS.)
16	B		X					24'				" " "
16	C		X					26'				" " "
16	D		X					28'				" " "
16	E		X					30'				" " "
16	F		X					32'				" " "
17	A		X					22'				" " "
17	B-L	X										
17	F		X					32'				" " "
18	A		X					22'				" " "
18	B		X					24'				" " "
18	C		X					26'				" " "
18	D		X					28'				" " "
18	E		X					30'				10" MARINE GROWTH IF (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

UNDERWATER CENTER CUYEN TEAM TWO  
NAVAL CENTER FOR RESEARCH & DEVELOPMENT  
PORT HUENEME CALIFORNIA 93043

PI. LOVA CA

10 SEPT. 80

DURAN & JOHNSON

LOCATION:

DATE:

DIVERS:

PIER NAME/NO. PT. LOVA FULL PIER

PILE TYPE:

☒ BEARING

☐ FENDER

☐ SHEET

PILE MATERIAL:

☐ TIMBER

☐ STEEL PIPE

☐ STEEL SHEET

☒ CONCRETE

☐ STEEL "H" PILE

TIME OF DAY: 1230

TIDE:

WATER DEPTH FROM DATUM =

GAUGE DEPTH - TIDE:

PENT NO.	PILE NO.	NI	PILE DAMAGE				TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO		FUNC	HGT	WIDTH	
18	F		X							32'				10" MARINE GROWTH IF. (MUSSELS, BARNACLES & SCALLOPS.)
19	A		X							22'				" " "
19	B-L	X												
19	F		X							32'				" " "
20	A		X							22'				" " "
20	B		X							24'				" " "
20	C		X							26'				" " "
20	D		X							28'				" " "
20	E		X							30'				" " "
20	F		X							32'				" " "
21	A		X							22'				" " "
21	B-L	X												
21	F		X							32'				" " "
22	A		X							22'				10" MARINE GROWTH IF. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

UNITED STATES OF THE NAVY  
UNDERWATER CONSTRUCTION TEAM TWO  
NAVAL CONSTRUCTION BATTALION CENTER  
PORT HUENEME CALIFORNIA 93043

LOCATION: PT. LOMA CA

DATE: 10 SEPT. 80

DIVERS: PURAY & JOHNSON

PIER NAME/NO. PT. LOMA TUL PIET

PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1230

TIDE:

WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	NI	PILE DAMAGE				TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS	
			NO	MIN	MOD	MAJ	SEV	MECH	BIO		FUNC	HGT	WIDTH		PENETR
22	B		X							24'				10" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)	
22	C		X							26'					" " "
22	D		X							28'					" " "
22	E		X							30'				" " "	
22	F		X							32'				" " "	
23	A		X							22'				" " "	
23	B-L	X													
23	F		X							32'				" " "	
24	A		X							22'				" " "	
24	B		X							24'				" " "	
24	C		X							26'				" " "	
24	D		X							28'				" " "	
24	E		X							30'				" " "	
24	F		X							32'				10" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)	

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

LOCATION: FT. LOMA CA

DATE: 19 SEPT. 70

DIVERS: DURAN & JOHNSON

PIER NAME/NO. FT. LOMA FULL PIIR

PILE TYPE: ☒ BEARING

☐ FENDER

☐ SHEET

PILE MATERIAL: ☐ TIMBER

☐ STEEL PIPE

☐ STEEL SHEET

☒ CONCRETE

☐ STEEL "H" PILE

TIME OF DAY: 1230

TIDE:

WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT/PILE NO.	NI	PILE DAMAGE			SEV	TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
		NO	MIN	MOD		MECH	BIO	FUNC		HGT	WIDTH	PENETR	
25	A		X						22'				10" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
25	B-L	X											
25	F		X						32'				" " "
26	A		X						22'				" " "
26	B		X						24'				" " "
26	C		X						26'				" " "
26	D		X						28'				" " "
26	E		X						30'				" " "
26	F		X						32'				" " "
27	A		X						22'				" " "
27	B-L	X											
27	F		X						32'				" " "
28	A		X						22'				" " "
28	B		X						24'				10" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

LOCATION: PT. LONA CA DATE: 19 SEPT. 80 DIVERS: DURAN & JOHNSON

PIER NAME/NO. PT. LONA FUEL PIER PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1340 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	FILE DAMAGE				TYPE DAMAGE		GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
		NI	NO	MIN	MOD	MAJ	SEV		HGT	WIDTH	PENETR	
28	C		X					26'				10" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
28	D		X					28'				" " "
28	L		X					30'				" " "
28	F		X					32'				" " "
29	A		X					22'				" " "
29	B-I	X										
29	F		X					32'				" " "
30	A		X					22'				" " "
30	B		X					24'				" " "
30	C		X					26'				" " "
30	D		X					28'				" " "
30	L		X					30'				" " "
30	F		X					32'				" " "
31	A		X					22'				10" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

LOCATION: PT. LOMA CA DATE: 19 SEPT. 80 DIVERS: DURAN & JOHNSON

PIER NAME/NO. PT. LOMA FULL PIER PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1340 TIDE:            WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:           

BENT NO.	FILE NO.	NI	FILE DAMAGE				TYPE DAMAGE		GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH		BIO	FUNC	HGT	
31	B-E	X											
31	F		X						32'				10" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
32	A		X						22'				" " "
32	F		X						24'				" " "
32	C		X						26'				" " "
32	D		X						28'				" " "
32	F		X						30'				" " "
33	A		X						22'				" " "
33	B-L	X											
33	F		X						32'				" " "
34	A		X						22'				" " "
34	B		X						24'				" " "
34	C		X						26'				" " "
34	D		X						28'				10" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY  
UNDERWATER CONSTRUCTION TEAM TWO  
NAVAL CONSTRUCTION BATTALION CENTER  
PORT HUENEME CALIFORNIA 93043

LOCATION: FT. LONA CA DATE: 19 SEPT. 80 DIVERS: DEMILLE & EMBORSKI

PIER NAME/NO. FT. LONA FULL PILR PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1345 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	FILE NO.	PILE DAMAGE			TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
		NI	NO	MIN	MOD	MAJ	SEV		HGT	WIDTH	PENETR	
34	E		X					30'				12" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
34	F		X					25'				" " "
35	A		X					25'				" " "
35	B-E	X										
35	F		X					25'				" " "
36	A		X					25'				" " "
36	B		X					25'				" " "
36	C		X					25'				" " "
36	D		X					25'				" " "
36	L		X					25'				" " "
36	F		X					25'				" " "
37	A		X					25'				" " "
37	B-E	X										
37	F		X					25'				12" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVERE, MECH=MECHANICAL, BIO=BIOLOGICAL, F=NC=FUNCTIONAL

DEPARTMENT OF THE NAVY  
 REPAIR AND CONSTRUCTION TEAM TWO  
 NAVAL CONSTRUCTION BATTALION CENTER  
 PORT HUENEME CALIFORNIA 93043

LOCATION: FT. LOMA CA DATE: 19 SEPT. 80 DIVERS: DURAN & JOHNSON

PIER NAME/NO. FT. LOMA FULL PIER PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1230 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

SENT NO.	FILE NO.	FILE DAMAGE			TYPE DAMAGE			GAUGE			DIMENSIONS OF DAMAGE			COMMENTS
		NI	NO	MIN	MOD	MAJ	SEV	BIO	FUNC	DEPTH	HGT	WIDTH	PENETR	
38	A		X							28'				12" MARINE GROWTH IF. (MUSSELS, BARNACLES & SCALLOPS.)
38	B		X							28'				" " " "
38	C		X							28'				" " " "
38	D		X							28'				" " " "
38	L		X							28'				" " " "
38	F		X							28'				" " " "
39	A		X							28'				" " " "
39	E-L	X												
39	F		X							28'				" " " "
40	A		X							28'				" " " "
40	B		X							28'				" " " "
40	C		X							28'				" " " "
40	D		X							28'				" " " "
40	L		X							28'				12" MARINE GROWTH IF. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL



DEPARTMENT OF THE NAVY  
UNDERWATER CONSTRUCTION TEAM TWO  
NAVAL CONSTRUCTION BATTALION CENTER  
PORT HUENEME CALIFORNIA 93043

LOCATION: PT. LOMA CA DATE: 19 SEPT. 80 DIVERS: DURAN & JOHNSON

PIER NAME/NO. PT. LOMA FULL PIER PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1215 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	PILE DAMAGE			TYPE DAMAGE			GAUGE			DIMENSIONS OF DAMAGE			COMMENTS
		NI	NO	MIN	MOD	MAJ	SEV	BIO	FUNC	DEPTH	HGT	WIDTH	PENETR	
40	F		X							28'				12" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
41	A		X							28'				" " "
41	B-L	X												
41	F		X							28'				" " "
42	A		X							28'				" " "
42	E		X							28'				" " "
42	C		X							28'				" " "
42	D		X							28'				" " "
42	E		X							28'				" " "
42	F		X							28'				" " "
43	A		X							28'				" " "
43	B-E	X												
43	F		X							28'				" " "
44	A		X							28'				12" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY  
UNDERWATER CONSTRUCTION TEAM TWO  
NAVAL CONSTRUCTION BATTALION CENTER  
PORT HUENEME, CALIFORNIA 93043

LOCATION: Pt. LOMA CA

DATE: 19 SEPT. 80

DIVERS: DURAN & JOHNSON

PIER NAME/NO. PT. LOMA FULL PIER

PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1300

TIDE:

WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	NI	PILE DAMAGE				TYPE DAMAGE		GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH		BIO	IFUNC	HGT	
44	L		X						28'				12" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
44	C		X						28'				" "
44	D		X						28'				" "
44	L		X						28'				" "
44	F		X						28'				" "
45	A		X						28'				" "
45	B-L	X											
45	F		X						28'				" "
46	A		X						28'				" "
46	E		X						28'				" "
46	C		X						28'				" "
46	D		X						28'				" "
46	L		X						28'				" "
46	F		X						28'				12" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)

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# DEPARTMENT OF THE NAVY

UNDERWATER CONSTRUCTION TEAM TWO

NAVAL CONSTRUCTION BATTALION CENTER

PORT HUENEME, CALIFORNIA 93043

LOCATION: FT. LOMA CA

DATE: 10 SEPT. 80

DIVERS: DEMILLE & IMBORSKI

PIER NAME/NO. PT. LOMA FULL PIER

PILE TYPE: ☒ BEARING

☐ FENDER

☐ SHEET

PILE MATERIAL: ☐ TIMBER

☐ STEEL PIPE

☐ STEEL SHEET

☒ CONCRETE

☐ STEEL "H" PILE

TIME OF DAY: 1300

TIDE:

WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	FILE NO.	FILE NO.	PILE DAMAGE				TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NI	NO	MIN	MOD	MAJ	SEV	MECH		BIO	FUNC	HGT	
47	A			X						28'				12" MARINE GROWTH IF. (MUSSLS, BARNACLES & SCALLOPS.)
47	B			X						28'				
47	C			X						28'				" "
47	D			X						28'				" "
47	E			X						28'				" "
47	F			X						28'				" "
48	A			X						30'				" "
48	B-L	X												
48	F			X						30'				" "
49	A			X						30'				" "
49	B-E	X												
49	F			X						30'				" "
50	A			X						30'				" "
50	B			X						30'				12" MARINE GROWTH IF. (MUSSLS, BARNACLES & SCALLOPS.)

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SLIDES

J - K PIERS

- 1 - 6: Exposed rebar on concrete piles.
- 7 -10: Typical marine growth
- 11 -13: Damage noted above waterline, particularly gunite problems.

Enclosure (3)



DEPARTMENT OF THE NAVY  
 UNDERSEA CENTER, NITEN 20  
 NAVAL CONSTRUCTION CENTER  
 PORT HUENEME, CALIFORNIA 93043

LOCATION: PT. LOMA CA DATE: 10 SEPT. 70 DIVERS: UPGT & DUM

PIER NAME/NO. PT. LOMA FULL PILE PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1120 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	NI	FILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIC	FUNC		HGT	WIDTH	PENETR	
57	A		X								22'				12" MARINE GROWTH II. (CUSSELLS, BARNACLES & SCALLOPS.)
57	B		X								24'				" "
57	C		X								26'				" "
57	D		X								28'				" "
57	E		X								30'				" "
57	F		X								32'				" "
58	A		X								22'				" "
58	B		X								24'				" "
58	C		X								26'				" "
58	D		X								28'				" "
58	E		X								30'				" "
58	F		X								32'				" "
59	A		X								22'				" "
59	B		X								24'				12" MARINE GROWTH II. (CUSSELLS, BARNACLES & SCALLOPS.)

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DEPARTMENT OF THE NAVY  
UNDERWATER CONSTRUCTION TEAM TWO  
NAVAL CONSTRUCTION BATTALION CENTER  
PORT HUENEME CALIFORNIA 93043

LOCATION: PT. LOMA CA DATE: 10/11/70 DIVERS: TIGHT & DUNE

PIER NAME/NO. PT. LOMA FULL PIER PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET  
PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE  
TIME OF DAY: 1125 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	FILE DAMAGE				TYPE DAMAGE			GAUGE			DIMENSIONS OF DAMAGE			COMMENTS
		NI	NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC	DEPTH	HGT	WIDTH	PENETR	
53	1		X								30'				12" MARINE GROWTH II. (TUSSELS, BARNACLES & SCALLOPS.)
53	F		X								30'				"
54	A		X								30'				"
54	B-L	X													
54	F		X								30'				"
55	A		X								22'				"
55	B		X								24'				"
55	C		X								26'				"
55	D		X								28'				"
55	E		X								30'				"
55	F		X								32'				"
56	A		X								22'				"
56	B-L	X													
56	F		X								32'				12" MARINE GROWTH II. (TUSSELS, BARNACLES & SCALLOPS.)

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U.S. NAVY  
 CONSTRUCTION DIVISION  
 NAVAL CONSTRUCTION BATTALION CENTER  
 FORT HUENEME CALIFORNIA 93043

LOCATION: PL. ICA CA DATE: 10 SEPT. 80 DIVERS: DUMILL & MURPHY

PIER NAME/NO. PL. ICA FULL PIP PILE TYPE: ☒ BEARING ☐ FENDER ☐ SHEET

PILE MATERIAL: ☐ TIMBER ☐ STEEL PIPE ☐ STEEL SHEET ☒ CONCRETE ☐ STEEL "H" PILE

TIME OF DAY: 1245 TIDE: WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE:

BENT NO.	PILE NO.	NI	PILE DAMAGE				TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO		FUNC	HGT	WIDTH	
50	C		X							30'				12" MARINE GROWTH II. (MUSSELS, BARNACLES & SCALLOPS.)
50	D		X							30'				"
50	E		X							30'				"
50	F		X							30'				"
51	A		X							30				"
51	B-L	X												
51	F		X							30'				"
52	A		X							30'				"
52	B-L	X												
52	F		X							30'				"
53	A		X							30'				"
53	E		X							30'				"
53	C		X							30'				"
53	D		X							30'				12" MARINE GROWTH II. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL



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